



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



February 27, 2003  
**Letter of Deficiency**  
DSP #03-021

Mr. Daniel Thorne  
Star Lake Properties Inc.  
Box 308  
Georges Mills, NH 03751

RE: Star Lake Dam #220, Springfield

Dear Mr. Thorne:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on August 30, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

There is some concrete deterioration, most notably in the following locations

- a. Far right side of the upstream face;
  - b. Far left side of the upstream face;
2. There are trees located in the discharge channel;
  3. In 1985, seepage was noted through a crack in the ledge adjacent to the right abutment. The seepage was not noted at the time of this inspection. This may be due to the lower water level; and
  4. Update the July 7, 1997 operation and maintenance plan (O&M).

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**June 30, 2003:**

1. Repair the deteriorated concrete located in the following locations
  - a. Far right side of the upstream face;
  - b. Far left side of the upstream face;
2. Remove the trees from the discharge channel;
3. If necessary, update the 1997 O&M. Enclosed is a copy the plan on file; and

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**Continuously Monitor:**

4. Seepage, which was noticed in 1985 at a crack in the ledge adjacent to the right abutment.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

 **COPY**

Amy C. Clark, P.E.  
Dam Safety Engineer

Attachments Copy of 1997 O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Springfield

Certified # 7000 1670 0000 0586 1476

ACC/was/h:/safety/wendy/lod/220-11lod.doc

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**Continuously Monitor:**

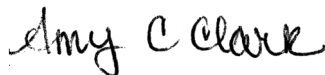
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Amy C. Clark, P.E.  
Dam Safety Engineer

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